

# “Best Buy” Propane System

Propane systems mount on farm tractors, semi tractors, and stationary irrigation engines, light to heavy duty trucks and other diesels.

[www.dieselperformanceproducts.com](http://www.dieselperformanceproducts.com)

Conrad Miller, a FARM SHOW subscriber from Crossville, Tenn., called us after reading a story in our 2013 Best of FARM SHOW about a company that sells a propane-to-diesel injection kit. “I wanted to point out that Diesel Performance Products in Michigan makes a lower priced, less complicated kit. I bought one for my truck,” says Miller. “Diesel Performance Products holds a patent on the process and has marketed it around the world with great success. I bought their kit for almost 50 percent less than what other people were charging and installed it on my International straight truck with a 466 engine. My driver says the truck has more power going up grades, runs cooler and is getting better mileage. I’ve been very satisfied and just ordered a second kit for another truck.”

After visiting with Miller, we called Diesel Performance Products in Michigan to learn more.

The Powershot propane injection or “fumigation” system has been sold commercially all over the world since 1999. The company received U.S. Patent #6422015 in 2001 for proprietary technology that no other company has.

The key to reducing cost per mile/cost per hour is the way the Powershot works.

The Powershot system meters a small amount of propane into the engine based on the turbo boost pressure or “load” of the engine. The mechanical system is a simple to install, bolt on retrofit, that doesn’t have any effect or impact on the vehicle or engine’s functionality, doesn’t change any of the manufacturer’s components or set perimeters, and doesn’t require any permanent modifications to the vehicle or engine. An all mechanical system, it doesn’t use a computer, and has no interface with the existing computer. Installation also doesn’t involve changing or interfering with the engine’s original fuel management/ delivery system. The unit can be installed near

the propane tank, and only two lines run into the engine compartment. The vapor propane tank is mounted on the frame of a semi-tractor or a straight truck. If the kit is used on a pickup, the tank is placed in the box. For safety purposes a control switch is mounted in the dash and must be re-activated each time the vehicle is started. Automatic systems are also available. The system has been tested and proven around the world in actual fleet and independent vehicles as well as agriculture, stationary engines and generator/genset applications. The results have verified improved mileage with proven and significant cost per mile/cost per hour reductions over diesel fuel alone while producing cleaner running engines that require less maintenance, all while providing an excellent and quick return on investment.

The product continues to gain in popularity with each successful installation and the continuing rise in the cost of diesel fuel, and the reasonable costs of LPG/propane. Everyone is looking for a way to save money on fuel costs and the Powershot provides an ideal and cost effective solution.

Verified research results using the device in trucking operations have shown 20 to 25 percent increases in torque and horsepower and fuel savings of 10 to 25 percent. Fuel costs on a 580 Diesel tractor were compared in April 2011 and 2012, showing savings of \$4.10 per hour and \$4.53 per hour when the propane kit was installed over diesel alone. Diesel fuel consumption was reduced by more than 50 percent here. DB Farms of Gillespie, Ill., has installed the Powershot system on three Deere tractors, including two MFWD models and a 4-WD. Bellum says they’ve been very pleased with additional power, cleaner operation and fuel savings of around 30 percent for each tractor.

Stationary diesel engines such as those used in irrigation and pumping operations,



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as well as stand alone gensets and power units have been another successful market. With a Powershot installed, the fuel cost savings may be as high as 30 percent compared to running on straight diesel. There is always a cost per hour or cost per mile reduction over diesel alone, with increased efficiency and range.

All of the components are made in the USA and are UL listed and CSA approved. and comply with all current regulations for alternative fuel/diesel on and off road engines in the U.S. and Canada.

Additionally, Powershot’s patented technology is Intertek certified for safety and has also received European and Australian Certifications for the same and is also recognized by LP and CNG associations as the industry’s leader for a safe and effective means to reduce fuel costs and increase performance in diesel engines

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**Reader Inquiry No. 174**

## Convert Cat Engines From Pony Motor To Electric Start

Bryan Parker sells kits that convert most Caterpillar engines equipped with a pony motor to electric start.

The cost is as little as \$895 or as much as \$1,295 depending on which options you choose with the kit. We now have kits for the RD-6 3 cylinder. We also have charging systems.

Contact: FARM SHOW Followup, Bryan Parker, 13925 County Rd. 8510, Newburg, Mo. 65550 (ph 573 465-0276; email: [catstarter@gmail.com](mailto:catstarter@gmail.com) or [catstarter@yahoo.com](mailto:catstarter@yahoo.com)).

**Reader Inquiry No. 175**